WETLAND DETERMINATION DATA FORM - Eastern Mountains and Piedmont

PapellarityCowner NEA Satistat Manual Section, Provincibly PapellarityCompanily PapellarityCompanilyComp	Project/Site:	Berry Hill			City/Co	ounty:	Pittsylvania Co	ounty	Date:	5/16/2012
More Inform Millulous, terrace, More More Information More Inf	Applicant/Owner:	RIFA						Sampling Point:		DP-FF/FG
Subsection Stope (%) 2-5	Investigator(s):	Dewberry: B. Bill	T Shelton		_					
Subregion (LRR or MILRA): LBRP, MILRA 136		Democrity: Dr Din)								
Soil Map Unit Name: [23B] Mayodan fine sandy loam, 2-7% slopes NWI Classification: PSS	etc.):	sideslope/flat			convex, n	ione):	concave		Slope (%): 2-5	<u>;</u>
Are vegetation X , soil , or hydrology significantly disturbed? Are Normal Circumstances* present? Yes No X Are vegetation X , soil , or hydrology significantly disturbed? Are Normal Circumstances* present? Yes No X Are vegetation , soil , or hydrology	Subregion (LRR or MLRA):	LRRP, MLRA 136			Lat:	36.563009	Lo	ng: -79.597322	Datum:	
Are vegetation X , soil, or hydrology	Soil Map Unit Name:	[23B] Mayodan fi	ne sandy loar	n, 2-7% slopes				NWI Classif	ication: PSS	3
Are vegetation, soil, or hydrology natrually problematic? (If needed, explain any answers in Remarks.) Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc Hydrolhytic Vegetation present?	Are climate/hydrologic condition	s on the site typical	for this time	of the year?			Yes	XNo	(If no, explain in Re	marks)
Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc Hydrophytic Vegetation present? Yes X No Hydric Soil present? Yes X No Wetland Hydrology Present? Yes X No Wetland Hydrology Present? Yes X No Hydrology Wetland area logged around PSS, wetland is within PSS and encroaches beyond into logged area. Hydrology Wetland Hydrology Indicators: Frimary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of two required) Surface Water (A1) True Aquatic Plants (B14) Surface Soil Cracks (B6) X High Water Table (A2) Hydrogen Sulfide Odor (C1) Sparsely Vegetated Concave Surface (B8) X Saturation (A3) X Oxidized Rhizospheres on Living Roots (C3) Drainage Patterns (B10) Water Marks (B1) Presence of Reduced Iron (C4) Moss Trim Lines (B16) Sediment Deposits (B2) Thin Muck Surface (C7) Dry-Season Water Table (C2) Drift Deposits (B3) Other (Explain in Remarks) Cray(fish Burrows (C8) Saturation Visible on Aerial Imagery (B7) Geomorphic Position (D2) Water Saturation Visible on Aerial Imagery (B7) Microtopographic Relief (D4) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (Inches): Surface Water Present? Yes No Depth (Inches): -11bgs Wetland Hydrology Present?	Are vegetation	nX , soil	, or hydrolog	ysignifica	intly dist	urbed?	Are "Normal (Circumstances" present?)	Yes	No_X_
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		Yes	No X	Depth	(Inches):					
			No	Depth			-	Wetland Hydrology Pre	esent?	
		Yes X	No					erectand rivarology rive		No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:										
	Remarks:									
Remarks:										
Remarks:										
Remarks:										
Remarks:										
Remarks:										
Remarks:										
Remarks:										

DP-FF/FG

	Point:	

					Dominance Test Worksheet:				
Tree Stratum	(Plot Size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Number of Dominant Species that Are OBL, FACW, or FAC: 4 (A)			
1	(, , , , , , , , , , , , , , , , , , ,		***************************************	N					
~				N		Total Number of Dominant Species Across			
3				N		All Strata: 4 (B)			
4				N		(-,			
5			***************************************	N		Percent of Dominant Species that are OBL,			
6				N		FACW, or FAC: 100% (A/B)			
7				N					
·			0	=Total Cover		Prevalence Index Worksheet:			
				70101 00101		Total % Cover of:			
Sapling Statum	(Plot Size:	ì				OBL Species 20 x1= 20			
1	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	′		N		FACW Species 15 x2= 30			
2				N		FAC Species 50 x3= 150			
3				N		FACU Species 5 x4= 20			
Λ				N		UPL Species 0 x5= 0			
5				N					
6				N		Column Totals: 90 (A) 220 (B)			
7				N		(-)			
			0	=Total Cover		Prevalence Index = B/A = 2.44			
	/DI + C:	,				H. J. W. M.			
Shrub Stratum	(Plot Size:)	25	V	FA.C	Hydrophytic Vegetation Indicators:			
1 Liquidambar styra	стиа		25	Y	FAC	X Dominance Test is > 50%			
2 Acer rubrum			20	Υ	FAC	X Prevalence Index is ≤3.0¹			
3				N		Problematic Hydrophytic Vegetation¹ (Explain)			
				N		I Indicators of hydric soil and wetland hydrology must be present,			
5				N		unless disturbed or problematic			
6				N		Definitions of Versetation Charles			
7			 45	=Total Cover		Definitions of Vegetation Strata:			
1 Scirpus atrovirens 2 Juncus effusus 3 Liquidambar styra 4 Carex vulpinoidea 5 Toxicodendron pu 6 7 8 9 10	ciflua		15 15 5 5 5	Y Y N N N N N N N N N N N N N N N N N N	OBL FACW FAC OBL FACU	Tree - Woody plants, excluding woody vines, approximately 20 ft (6m) or more in height and 3 in. (7.6cm) or larger in diameter at breast height (DBH). Sapling - Woody plants, excluding woody vines, approximately 20 ft (6m) or more in height and less than 3 in. (7.6cm) DBH. Shrub - Woody plants, excluding woody vines, approximately 3 to			
12				N		20 ft (1 to 6m) in height.			
			45	=Total Cover					
Woody Vine Stratum	(Plot Size:)							
1				N		Herb - All herbaceous (non-woody) plants, including herbaceous			
3				N		vines, regardless of size. Includes woody plants, except woody			
				N		vines, less than approximately 3 ft (1m) in height.			
4						Hydrophytic			
5				N Tabal Carre		Vegetation Present? Yes X No No			
Remarks: (If observed	, list morphological adap	otations below.)	0	=Total Cover					

SOIL Sampling Point: DP-FF/FG

_	Matrix		Redox	Features							
0-4 4-11 11-12	Color (moist) 10YR5/6 2.5Y5/2 10YR5/4	% 50 80 100	Color (Moist) 10YR5/8 10YR5/6	% 50 20	Type¹ C C	M M	Texture Remarks ClayLoam ClayLoam ClayLoam wet, saturated				
¹Type: C=Concent	ration, D=Depletion, RM=	Reduced Ma	atrix, CS=Covered or Co	ated Sand	Grains.		² Location: PL=Por	re Lining, M=Matrix			
Depleted Be Thick Dark S Sandy Muck MLRA 147,	don (A2) (A3) ulfide (A4) uyers (A5) (A10) (LRR N) elow Dark Surface (A11) Surface (A12) sy Mineral (S1) (LRR N, 148) ed Matrix (S4) x (S5)	Pol Thin Loa X Dep Rec Dep Rec Iron	ck Surface (S7) yvalue Below Surface (S9)(ML my Gleyed Matrix (F2) oleted Matrix (F3) dox Dark Surface (F6) oleted Dark Surface (F7 dox Depressions (F8) n-Manganese Masses (interpretable) obtic Surface (F13) (ML) dmont Floodplain Soils	RA 147, 14) F12) (LRR N RA 136, 12	N, MLRA 1		2 cm Much Coast Prair Piedmont I Red Parent Very Shallo Other (Exp	oblematic Hydric Soils ³ : o (A10) (MLRA 147) ie Redox (A16) (MLRA 14 Floodplain Soils (F19) (ML t Material (TF2) ow Dark Surface (TF12) lain in Remarks) drophytic vegetation and unless disturbed or proble	RA 136, 147)		
Restrictive Layer (i Deptł	Туре:					-	Hydric Soil Present?	YesX	No		
Remarks:											